

Alessandro Chiarelli

COMPUTER ENGINEER

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Summary

I am a Software engineer with multidisciplinary interests. I spend my free time improving my hard skills and knowledge in many fields, including economics, blockchain, poetry, music, history, and finance. I also enjoy experiencing other cultures and traveling. I am an AFS volunteer since March 2024 in Madrid, Spain and I am giving back to the community that shaped me into the person I am today, as my first formative experience abroad was in high school for a one-year exchange program with AFS.

Spoken Languages Italian (Native), English (C2), French (C1), Spanish (C1), Chinese (Basic), Finnish (Basic), Estonian (Basic)

Experience

Amazon

Madrid, Spain

SOFTWARE DEVELOPMENT ENGINEER - I

March 2024 - Present

I work in maintaining the internal data pipeline used for creating recommendations for thematic collections of products. Technologies: Python, Scala, Cradle, Spark, Airflow, AWS, SageMaker, Git, Bash

ION Group - LIST

Turin, Italy

SOFTWARE ENGINEER

September 2023 - February 2024

Joined as part of the Leadership Development Program, a graduate program with 6-month rotations to work on different projects. First rotation working on CFX Monitor, a product used to analyze exposition on foreign currency used by Intesa San Paolo, the major Italian bank. Technologies: Oracle PL/SQL, Angular, Java, Git

Amazon

Barcelona, Spain

SOFTWARE DEVELOPMENT ENGINEER INTERN

March 2022 - August 2022

Developed an internal tool for automating the tracking of machine learning models and experiments, to be used by Amazon Search and other similar customers. The team was spread over two time zones and was invited on a business trip to the US to meet half of the team in Palo Alto. Technologies: Python, AWS, SageMaker, Git, Bash

Blue Reply

Turin, Italy

ENGINEERING INTERN

March 2021 - May 2021

Research on the FIDO/WebAuthn protocol, analysis and study of use cases, and realization of a few working demos to simulate passwordless and/or multifactor authentications and registrations. Technologies: Java, Python, Ping, Javascript, HTML, CSS

JAES

Treviso, Italy

CONSULTANT

September 2018

Educational activity about the dynamics and logic underlying the creation and management of a business YouTube channel, with a focus on showcase of industrial components and educational videos about their operations in English, Italian, and French.

Education

Aalto University - Tartu University

Finalnd - Estonia

M.Sc. SECCLO IN SECURITY AND CLOUD COMPUTING - EMJMD SCHOLARSHIP WINNER

2021 - 2023

Double degree program, major in Cryptography, thesis on Blockchain Oracle security. Courses ranging from Web Development (Nodejs, Deno, Django), to Cloud technologies (GCP, AWS, Docker, Terraform), to Security (Information Security, Cryptography, Network Security)

Polytechnic of Turin - Tongji University

Italy - China

B.Sc. IN COMPUTER ENGINEERING - "GIOVANI TALENTI" HONOR'S CLASS AND POLITONG SCHOLARSHIP

2018 - 2021

Computer engineering bachelor with an exchange year in China. Courses range from engineering fundamentals to Electronics and Computer science. BIT PoliTO co-founder, a students' association to research Bitcoin and Blockchain. Technologies: C, Django, MySQL, HTML, CSS, Git

Honors & Awards

2023	Lecturer , Settimana dello studente, Liceo "S. Cannizzaro" - one week blockchain course	<i>Italy</i>
2022	Guest lecturer , Settimana dello studente, Liceo "S. Cannizzaro" - one blockchain lecture	<i>Italy</i>
2021	Guest lecturer , Relations with East Asia - B.Sc. in Economics - Udine University	<i>Italy</i>
2021	Winner , EU - Erasmus Mundus Joint Master's Degree - scholarship for SECCLO	<i>Finland</i>
2020	Winner , Huawei Seeds For The Future, training for 50 high talented ICT students	<i>Italy</i>
2020	Mentee , LeadTheFuture, the biggest STEM community in Italy	<i>Italy</i>
2019	Winner , Polittong scholarship, one in 11 students from Turin admitted to Tongji	<i>Italy and China</i>
2018	Inscription , National Excellence Bulletin board, Italian ministry for education, reasearch and university	<i>Italy</i>
2016	Membership , Mensa, Italian Branch	<i>Italy</i>
2015	Winner , Scholarship for a year abroad by Intesa San Paolo with AFS Intercultura	<i>Italy and France</i>